

# **FEMP** *Monthly Update*

FEDERAL ENERGY MANAGEMENT PROGRAM

AUGUST 2003

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The **FEMP MONTHLY UPDATE** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the **UPDATE** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The **FEMP MONTHLY UPDATE** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

## **DOE BULLETIN BOARD**

*Short Term Energy Outlook, Energy Information Administration (EIA), August 2003.*

The past two months of relatively mild weather across the country has reduced the need for natural gas for electricity generation, allowing for historically high levels of natural gas to be injected into underground storage facilities. Storage levels have a high probability of returning to normal levels by the beginning of the heating season. Prices for natural gas at Henry Hub, which were over \$6 per million Btu two months ago, have fallen to below \$4.70 per million Btu during the first week of July.

The price of motor gasoline in California has decreased to \$1.71, narrowing the gap from the national average price of \$1.52 per gallon to only 20 cents per gallon. Unexpected refinery shutdowns and the phase-out of MTBE, with replacement by ethanol in California gas, created supply problems and raised prices state-wide in the beginning of the summer. The rest of the country has experienced slowly rising pump prices in the last month, but prices are expected to remain steady at \$1.54 for the rest of the driving season.

Average crude oil prices have remained steady at \$30.75 per barrel. The same price is expected to remain until Iraqi oil exports are rebuilt, allowing for a price decline to \$26 per barrel.

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### **DID YOU KNOW**

**The Department of Energy's new Office of Electric Transmission and Distribution recently launched a new web site.** The site includes information of a wide range of topics, including the recent power black out as well as DOE program activities (e.g., transmission, storage). To visit the web site, go to <http://electricity.doe.gov>

**DOE has established a toll-free Gas Price Hotline and web site** to enable consumers located in the States of Arizona and Michigan to report incidences of price gouging or possible price

## **CONGRESSIONAL ACTIVITIES**

### **CONGRESSIONAL SCHEDULE**

Congress is on a month-long recess and is scheduled to return after the Labor Day Holiday on September 3 to complete work on FY 2004 appropriations bills and other pending legislation.

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### **STATUS OF PENDING APPROPRIATION BILLS OF INTEREST TO FEMP**

Congress is on a month-long recess and is scheduled to return after the Labor Day Holiday on September 3 to complete work on FY 2004 appropriations bills.

- Refer to [Attachment A](#), Status of FY04 Appropriations Bills
- Refer to [www.eere.energy.gov/femp/resources/initiatives.html](http://www.eere.energy.gov/femp/resources/initiatives.html). The detailed bill summary chart will be updated on a weekly basis while Congress is in session and working on FY 2004 appropriations.

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### **STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP**

- Refer to [www.eere.energy.gov/femp/resources/initiatives.html](http://www.eere.energy.gov/femp/resources/initiatives.html) – Legislative Databases

***Comprehensive Energy Legislation*** Before adjourning for the August recess, the Senate scrapped its energy bill, *S. 14*, and substituted comprehensive energy legislation (*S. 517*) passed by last year's Democratically controlled Senate. Pete Domenici (R/NM), Chairman of the Senate Committee on Energy and Natural Resources and the engine for moving energy through the Senate during this session of Congress has said he will take last year's bill, which received a majority (over 80 percent) of the Senate's approval and rewrite the bill during a conference with the House to better reflect Republican priorities. The House passed comprehensive energy legislation (*H.R. 6*) on April 11.

inflation. For more information, go to <http://gaswatch.energy.gov>.

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### NOTABLE QUOTES

“...very confident they’ll have mandatory reliability standards in the energy bill. What that means is that companies transmitting energy will have to have strong reliability measures in place, otherwise there will be a consequence for them. There will be incentives in the new bill to encourage investment in energy infrastructure.”

-- President Bush’s recent remarks regarding pending energy legislation

“We believe that to get the mandatory reliability standards and the transmission incentives [contained in legislation] in place is important enough to allow for a slower process on the regulation process.”

-- Secretary Spencer Abraham’s comment on the Administration’s plan to support a delay in implementation of FERC’s Standard Market Design proposal

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The House-Senate Conference Committee plans to begin negotiations in early September and Congressional leaders have promised the President that the committee will produce a conference report by the end of the month.

Last week, Billy Tauzin, Chairman of the House Committee on Energy and Commerce said:

...in a telephone conversation with President Bush, I assured him that we will have a compromise energy bill ready for final congressional action by the end of September.

Pete Domenici, Chairman of the Senate Committee on Energy and Commerce confirmed this commitment by saying:

We both agreed that this legislation must contain several critically important provisions designed to prevent future electricity blackouts. The three key elements are: mandatory reliability standards, investment incentives and reform of transmission siting rules.

In a recent development, Secretary of Energy Spencer Abraham said that the Administration would support a provision to delay implementation of the Federal Energy Regulatory Commission’s Standard Market Design Proposal

to establish a national transmission grid. No consensus for or against the FERC proposal has emerged in Congress, suggesting that this controversial issue could block passage of an energy bill this year.

Senator Domenici will chair the House-Senate Energy Conference Committee. No official schedule has been announced.

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## HOUSE

***Natural Gas Task Force Website*** A new website established by the Committees on Energy and Commerce and Resources will provide information on the Natural Gas Task Force For Affordable Natural Gas, an 18-member group chaired by Speaker Dennis Hastert (R/IL) that will identify the causes of the natural gas shortage, impact of natural gas prices on the economy, and short and long-term plans to promote a stable supply of natural gas. The website will help educate the public on the major issues surrounding the natural gas crisis, the mission and goals of the task force, as well as developments in its investigation into the cause of the supply-demand inequity. Committee on Resources Chairman Richard Pombo (R/CA) said, “Consumers across America are beginning to get very expensive gas bills...Justifiably, they want to know why they are paying more, who or what is responsible for the increases, and what is being done to bring them down. This website will help answer these questions and educate the public on the many critical uses of natural gas.” To view the website and sign up for email updates on task force developments, visit <http://energycommerce.house.gov/NaturalGasTaskForce>.

## Hearings

***Natural Gas Task Force Hearing*** The task force, chaired by Billy Tauzin (R/AL) and Richard Pombo (R/CA) held its first public meeting at Penn State University on August 8. The meeting was held in Pennsylvania to solicit ideas and views from residents and businesses affected by rising natural gas costs. According to Mr. Tauzin, "Pennsylvanians are among the hardest-hit by high natural gas prices. Several plants have closed in recent months - resulting in the loss of hundreds of jobs - and residents in some areas will see their heating bills raise by 40 percent this year." The task force is scheduled to complete its investigation by the end of September.

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## SENATE

***Remarks on Electric Power Failure*** In a press release issued on August 18 in response to the massive power outage, Senator Jeff Bingaman (D/NM) said:

“This blackout is a dramatic illustration of the fact that electricity is a regional commodity that doesn't respect state boundaries. Our power grid was built and has been largely regulated on a state-by-state basis. It was never intended to serve as an electricity superhighway. But times have changed, and our policies need to change with them. Until we start thinking and planning regionally, and using new technology to build a ‘smarter’ and more capable grid, we will not be able to prevent, mitigate, or easily recover from major blackouts like this one.”

The Senate has scheduled no hearings as of yet to investigate the power outage.

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## HEARINGS OF INTEREST OF FEMP

- See [Attachment B](#) – Hearings Schedule

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# **FEDERAL AGENCY ACTIVITIES**

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## DEPARTMENT OF ENERGY (DOE)

***Draft Strategic Plan*** On August 12, the Secretary of Energy released the 2003 “draft” *Department of Energy Strategic Plan*, requesting public comment. In releasing the statement, the Secretary states:

This Strategic Plan charts the course for the next 25 years – focusing our capabilities to meet today’s needs and provide innovative solutions to tomorrow’s challenges.

Public comment is an important component in developing this Plan and I invite you to view the draft version of the Plan and provide comment. Please respond by September 8<sup>th</sup> to allow ample time for us to consider your views.

Highlighted excerpts of the plan include the following:

- The Department of Energy is principally a national security agency and all of its missions flow from this core mission to support national security...Science and technology are the Department's principal tools in the pursuit of its national security mission. The Department has amassed tremendous scientific and technical capabilities serving America in ways never anticipated 25 years ago. Those capabilities will be applied to the overarching mission of ensuring the national security.
- Department of Energy's four strategic goals include:
  - Defense Strategic Goal To protect our national security by applying advanced science and nuclear technology to the Nation's defense.
  - Energy Strategic Goal To protect our national economic security by promoting a diverse supply of reliable, affordable, and environmentally sound energy.
  - Science Strategic Goal To protect our national and economic security by providing world-class scientific research capacity and advancing scientific knowledge.
  - Environmental Strategic Goal To protect the environment by providing a responsible resolution to the environmental legacy of the Cold War and by providing for the permanent disposal of the Nation's high-level radioactive waste.

Along with the four basic strategic goals, the agency has adopted seven long-term goals and includes (Goal #4) Energy Security. [The purpose is to] Enhance energy security by developing technologies that foster a diverse supply of affordable and environmentally sound energy, improving energy efficiency, providing for reliable delivery of energy, exploring advanced technologies that make a fundamental change in our mix of energy options, and guarding against energy emergencies.

The Department of Energy's technologies draw on all our available resources: oil, natural gas, coal, nuclear energy, hydropower, renewable energy, and reductions in demand through conservation and energy efficiency. The Administration believes it is not the role of the Federal Government to choose the energy sources for the country. Instead, the role of the Federal Government is to help the private sector develop technologies capable of providing a diverse supply of energy, and to allow the market to decide how much of each energy source is actually used. Diversity of energy sources can help provide stability and guard against price spikes.

The Department is also taking steps to reduce our energy consumption and improve energy efficiency. These energy efficiency programs place a premium on vehicle technologies, designed to not only improve energy efficiency improvements to current vehicles but also encourage development of alternative fuel vehicles. The Department is also developing technologies to improve the energy efficiency of buildings, appliances, and energy-intense industries. Department conservation programs also extend beyond technology development. The Department operates a vital Weatherization Assistance Program, which delivers cost-effective, energy efficiency improvements in the housing of low-income families...According to the National Research Council's 2001 Energy Research at DOE, Was it Worth It?, the Department's R&D efforts to improve the efficiency of our buildings, our industrial complex and our cars and trucks has benefited the nation by at least \$30 billion in energy saved, pollution avoided and improved national security.

This goal includes 14 strategies, which includes, but is not limited to:

- Research renewable energy technologies and work with the private sector in developing these domestic resources (Strategy #8).



- Develop technologies to **reduce the vulnerability and increase the reliability of the electricity supplies**, focusing on superconducting materials and distributed generation, including relatively small-scale and modular energy generation devices (Strategy #9).
- **Promote the reduction of energy consumption in Federal facilities and other end-use applications** and provide energy conservation assistance to low-income homes throughout the Weatherization Assistance Program (Strategy # 11).
- Accelerate the shift toward the hydrogen economy by developing and improving technologies to produce hydrogen using renewable energy, nuclear energy, and fossil fuels (Strategy #12).
- Collaborate with industry to develop fuel-cell power technologies for multiple applications, especially transportation (Strategy # 13).

The Department cites **four “external factors” that influence the Nation’s ability to achieve the energy security goal**. The factors include (1) technological development, (2) market forces, and (3) consumer choice. The Department’s plan also identifies **16 “intermediate goals” for achieving energy security**. The list includes the following goals of interest:

- By 2025, renewable energy sources (excluding hydropower) reach 12.0 quadrillion Btu (quads), nearly double the energy production in the year 2000, of 6.46 quads.
- By 2025, the Department develops and demonstrates technologies to bring systems that generate both heat and power within 90 percent efficiency.
- By 2025, solid-state lighting results in a reduction by one fifth in energy demand for lighting compared to those of 2000.

To review the entire plan, visit the DOE web site link at <http://strategicplan.doe.gov>.

***Regional Natural Gas Forums*** The Department has just completed a series of four meetings to address regional concerns regarding the availability and cost of natural gas. Meetings have been held in Atlanta, Minneapolis, Manchester (New Hampshire), and Phoenix, Arizona, and participants included local government officials, consumer groups, and the private sector. The regional forums are part of a larger effort launched earlier this year by the Secretary of Energy as part of his “Smart Energy” outreach campaign. For more information, contact, contact Chris Kielich at 202-586-5806.

***Native American Energy Efficiency Grants*** DOE announced the award of \$800 million to nine Native American tribes to develop renewable energy and energy efficiency projects. Secretary Abraham stated that seed funding in the initial stages will enable the “tribes [to] take the steps in developing energy resources that can lead to a stronger economy, more jobs and a better life for tribal members. . . . The Department of Energy is committed to helping Native American tribes develop clean, affordable and reliable energy options. . . . These projects encourage tribal self-sufficiency, help create jobs, improve our environmental quality and make our nation more secure.” Initially, grantees will perform strategic planning energy analysis and develop comprehensive energy plans. Broad-based project initiatives will range from pursuing self-sufficiency through the development of wind, hydro, and biomass power resources on tribal land, strategic energy resource planning, economic feasibility of a tribal electric power utilities, and the application of energy efficient construction techniques on tribal lands. In addition, \$1.3 million will be provided to eight other Native American tribes to implement more advanced energy projects, which include the Rosebud Sioux Tribe in South Dakota for the development of a 30 MW wind energy project; the Northern Cheyenne Tribe for permitting, avian and cultural assessments, and transmission and interconnection studies needed to obtain financing and power purchase agreements for a 30-megawatt wind facility; the Venetie Tribal Government for a study on the feasibility of powering an entire village located above the Arctic Circle with solar energy; and the Red Lake Band of Chippewa to assess the potential to expand their use of biomass resources.

***Energy Management Tool*** DOE's Office of Industrial Technologies and the Alliance to Save Energy have created the National Inventory of Manufacturing Assistance Programs (NIMAP) to provide industrial plant managers with information from on how to support their energy management responsibilities in the areas of operations, maintenance, training, equipment sourcing, and financing. The inventory contains the contact information of gas and electric companies, Federal and state policy and environmental offices, and other interested groups that provide programs at the state and local levels around the country that offer plant assessments, research and development, technical information, and financial support. NIMAP is searchable by state, territory, or key word. To access the database, visit [www.oit.doe.gov/bestpractices/nimap](http://www.oit.doe.gov/bestpractices/nimap).

***Million Solar Roofs*** On June 22, Million Solar Roofs (MSR) and Interstate Renewable Energy Council (IREC) held an annual meeting to report the solar activities of MSR partnerships within each region. The meeting report includes data collected from each of the partnerships and lists their solar roof goals, cumulative number of installations, partnership focus or mission statement, activities underway, new accomplishments, upcoming events, and products/tools/assessments available to share with other partnerships. DOE's National Laboratories offer technical expertise to each partnership. Over the last year the laboratories have supported a solar awareness campaign to target MSR partnerships and produced solar program analysis papers, presentations, tools, and communication products. Sandia National Laboratory is working more closely with the Regional Offices to meeting the technical training needs of the partnerships. The National Renewable Energy Laboratory has updated a state-by-state market value analysis for commercial and residential customers, as well as completing a document that summarizes legal and technical issues of PV installations and a tool that MSR partners can use to provide them with PV system economics and rate structures to assess the economic potential of installing a PV system. The tool can be access by visiting [www.clean-power.com/nrelpv](http://www.clean-power.com/nrelpv). The MSR/IREC annual report is located online at [www.millionsolarroofs.org/articles/static/1/binaries/MSRupdateB.pdf](http://www.millionsolarroofs.org/articles/static/1/binaries/MSRupdateB.pdf).

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## **DOE NATIONAL LABORATORIES**

***Oak Ridge National Laboratory (ORNL)*** On August 5, ORNL exhibited, as part of "Clean Energy Day," building sites that showcased energy efficiency and renewable energy applications. Highlights included the unveiling of a high-tech Habitat for Humanity House. The house employs the use of solar panels to generate energy to potentially create a "net zero" effect of "using no more energy than [the home] produce[s]," according to Jeff Christian of ORNL's Buildings Technology Center. (See related article under Utility Activities.) (Source: *ORNL website*)

***Lawrence Berkeley National Laboratory (LBNL)*** *R&D Magazine* recently announced the magazine's annual selection of 100 award recipients for significant technology developments. LBNL received awards for the laboratory's work in developing the EnergyPlus Building Simulation Program and Extreme-Ultraviolet Lithography techniques. The EnergyPlus computer program model projects energy use in residential and commercial buildings and is a successor to an earlier program that has saved approximately \$20 billion in energy costs since 1980. LBNL provides the software free of cost. Sandia National Laboratory and Lawrence Livermore National Laboratory collaborated with LBNL to form a Department of Energy Virtual National Laboratory in which testing was conducted to create Extreme-Ultraviolet Lithography techniques which significantly reduce the size of microprocessor chips in computers.

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## ENVIRONMENTAL PROTECTION AGENCY (EPA)

### *ENERGY STAR®*

***Green Power Partnership*** At the 2003 conference of the American Council on Renewable Energy held in July, EPA's Green Power Partnership commended companies for their obligation to procure part of the Partnership goal of 800 million kWh of green power annually along with state governments, Federal agencies, universities and trade associations. Partners in the program agree to procure part of their electricity needs from renewable energy for one year in exchange for technical assistance from the EPA. EPA Acting Administrator Linda Fisher said, "Commitments to renewable energy by our Green Power Partners are providing big dividends for our environment and the economy...Green power market trendsetters that are providing a great example of environmental leadership." The Green Power Leadership Awards will be held in Chicago at the Eighth National Green Power Marketing Conference on November 4, 2003 (Source: [www.epa.gov/greenpower](http://www.epa.gov/greenpower))

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## FEDERAL ENERGY REGULATORY COMMISSION (FERC)

***FERC Remarks on Power Failure*** On August 15, Federal Energy Regulatory Commission (FERC) Chairman Pat Wood released a statement on the power failure that occurred in the U.S. and Canada. He declared that in order to fulfill the transmission needs for an economy that over the next ten years will increase its electricity demand by 20 percent, national energy policy must be passed to ensure "regulatory certainty...regional coordination and cooperation with smart planning and investment" and a "modern power-delivery system that best serves the public." FERC will investigate the cause of the power outage while supervising the grid and energy markets. He further stated, "In the interim, the cascading nature of this blackout offers an object lesson of how the electricity grid requires regional coordination and planning, a challenge the nation is still striving to meet. It is regional coordination and cooperation that is contributing to the grid restoration now under way... If we draw any conclusions from this blackout, it is the urgent need for more investment in the nation's transmission grid to serve broad regional needs." DOE representatives will answer questions from the public regarding infrastructure issues at (202) 586-1411.

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## WHITE HOUSE

***Comprehensive Energy Bill*** Rampant power outages throughout the Northeast and Midwest have prompted President Bush to pressure congressional members to pass comprehensive energy legislation that incorporates three major elements: mandatory reliability standards, investment incentives, and reform of transmission siting rules for utilities. The President said, "One thing is for certain... Companies transmitting energy will have to have strong reliability measures in place. Otherwise, there will be a consequence for them." According to congressional aides, bill language should include monetary penalties for utilities that create outages that set in motion a cascade effect. President Bush has said that talks with energy committee chairs Senator Pete Dominici (R/NM) and Representative Billy Tauzin (R/AL) revealed that the congressional leaders are interested in moving quickly to complete conference hearings by the end of September. To meet this deadline, the House Committee on Energy and Commerce has arranged two power outage hearings for early September that will include testimony from DOE Secretary Abraham and FERC Chairman Pat Wood, among other utility industry representatives. Drawing support from the President to include electric restructuring in a comprehensive energy bill, Mr. Tauzin issued a hearing notice that states, in part, "Since the first day he took office, the President has had the foresight and vision to recognize the importance of enacting a comprehensive national energy bill to meet America's growing 21st century needs. Last week's paralyzing blackouts should send a sobering signal to Congress that we simply cannot wait any longer to act." Mr. Tauzin has asked Secretary Abraham and Chairman Wood to address the following questions at the hearings:

(1) What were the basic causes and contributing events that led to the August 14th blackout and its severity? Describe the following in your answer:

(a) the location, character, and proximate cause of the initial disruption in the transmission and supply of electricity; and

(b) the "cascading" effect of the disruption through multiple utility systems and States.

(2) What efforts have been taken to secure the supply, transmission and distribution of electricity since the blackouts of 1965 and 1977 in the Northeast, and why were these efforts apparently inadequate to prevent the blackout or otherwise minimize the area affected? What efforts have been taken in other parts of the country to prevent blackouts and how effective have these efforts been in preventing or minimizing blackouts?

(3) What equipment, measures or procedures worked as intended on August 14th to prevent even greater disruption to the supply of electricity, to prevent greater damage to the generation and transmission system, and to bring generation back on line after the disruption?

(4) How can the nation's electrical system, including both transmission capacity and reliability, be improved to prevent a recurrence of the events of August 14th? Please identify what measures may need to be taken by all involved in the governmental and nongovernmental sectors.

For more information on the hearing, see Appendix B. (Source: *The Washington Post*, August 20, 2003 and U.S. House of Representatives Committee on Energy and Commerce Website)

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## **ATLANTA REGION**

**Redstone Arsenal in Madison County, Alabama, recently awarded an Electric Peak Demand Reduction** contract totaling \$2, 797,943 to Wells & Tate Electric Co. of Meridianville, Alabama. To obtain more information on Contract Number DACA01-03-C-0011, contact Judy McMichael at 251-441-6501.

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## **BOSTON REGION**

**The Department of Veterans' Affairs plans to enter into an enhanced-use lease in Syracuse, New York.** Announced in the July 31 issue of the *Federal Register*, VA will designate 0.57 acres of land located at the Syracuse VA Medical Center, in which a developer will incur the costs to finance, design, develop, maintain, and manage a biotechnology research laboratory; a 75-year lease will be signed between the VA and the developer. Contact Vanessa Chambers at 202-565-6554 for more information on this "notice of intent to designate."

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## **CHICAGO REGION**

**The National Aeronautics and Space Administration's Ames Research Center in Iowa is seeking outside expertise to support the center's Electric Power Management program.** The center requires expertise to monitor and report on the activities of the Federal Energy Regulatory Commission, the Western Area Power Administration, the California Utilities Commission, the California Power Exchange, and the Independent System Operator. Findings will be used to determine the "policy or operational changes" of these entities and the availability of electric power and potential financial impact

with respect to the Ames Research Center. For additional information, contact Carol Dones at 650-604-3717 and refer to Solicitation Number 4200021450.

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## **DENVER REGION**

*No news of interest to FEMP.*

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## **PHILADELPHIA REGION**

**The U.S. Postal Service is seeking energy service providers for agency facilities located in the State of New Jersey.** USPS plans to pre-qualify providers to support up to 776 electric accounts with an estimated requirement of 200,632,098 kWh per year. The accounts are serviced by Orange and Rockland Electric Distribution Companies, Conectiv, PSEG, and CP&L. USPS anticipates a five-year service term, beginning September 1, 2003. For more information, contact Deborah Wilcox-Loos at 860-285-7343; refer to Solicitation Number 1AUTIL-03-A-1661.

**The Army's Medical Research Acquisition Activity announced plans to negotiate a sole source contract with Mitretek Systems, Inc of Virginia, to implement a "Facility Life Cycle Management" program for the Department of the Army and other agencies.** The purpose of the initiative is to evaluate current and future infrastructure requirements for the Department of the Army and its medical department, as well as for Tri-Service, TMA and interagency levels, including the Departments of Health and Human Services, Agriculture, and Homeland Security. For additional information on Solicitation Number DAMD17-03-D-MITR, contact Sherrie Walters at 301-619-2346.

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## **SEATTLE REGION**

*No news of interest to FEMP.*

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## **INTERNATIONAL ACTIVITIES**

**The Air Force seeks a supplier of natural gas for the Kaiserlautern Military Community in Germany.** For additional information, contact Gabriele Binder at [Gabriele.binder@ramstein.af.mil](mailto:Gabriele.binder@ramstein.af.mil) and refer to Solicitation Number F61521-03-MRGAS.

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# **STATE AND LOCAL GOVERNMENT ACTIVITIES**

## **ATLANTA REGION**

*No news of interest to FEMP.*

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## BOSTON REGION

### ► *General State Activities*

**The New York State Energy Research and Development Authority (NYSERDA) and Chautauqua Institution have partnered to install a combined heat and power system at Chautauqua's property.** The campus will be designated an "Energy Target Zone," and energy savings opportunities and training programs will be offered to residents and the local community. NYSERDA will provide \$352,000 for the completion of the project, which will result in annual energy savings of over \$100,000. Chautauqua Institution President Scott McVay, commended program developers, saying, "One of the largest issues facing any institution or business is energy - its choice, delivery, and use. We are grateful for the informed intelligence behind the NYSERDA Combined Heat and Power System... In looking at the responsible management of this institution, both financially and environmentally, this project represents a critical step in our overall master plan, and it will become an exemplary operation in the landscape." The overall plan is to transfer the model project to other areas throughout the region. The Energy Target Zone designation is part of the New York Energy Smart Communities program, which is funded by a System Benefits Charge collected from electric customers of several utilities. For more information, visit [www.nyserda.org](http://www.nyserda.org).

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## CHICAGO REGION

### ► *Status of Utility-Related Activities*

**Attendees at the National Governor Association's annual summer meeting in Indianapolis in early August, set aside formal agenda topics to discuss the crippling power outage that spread across the U.S. power system.** Delegates' opinions stemmed from regional concerns rather than partisan interest; in general, states producing their own electricity were opposed to Federal Government intervention. States that import most of their electricity expressed support for intervention. Governor Dirk Kempthorne (R/ID) emphasized that the outdated power grid is a threat to every state, regardless of its ability to produce power. Governor Paul Patton (D/KY) warned that a solution will be hard to reach given the fact that energy-rich states, such as Kentucky, may not be willing to share the cost of solving electric problems elsewhere. Governor James McGreevey (D/NJ) requested that since "the interrelationship of the grid shows that no state is an island," the Federal Government should develop smart technology to ensure that another blackout does not occur. Governor Tom Vilsack (D/IA) announced that a bipartisan group of governors has assembled to make known their views against Federal control of the power system. Some states, such as South Carolina, have been successful in managing lower electric prices and do not want to compromise their "competitive advantage." (Source: *Associated Press*, August 17, 2003)

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## DENVER REGION

*No news of interest to FEMP.*

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## PHILADELPHIA REGION

### ► *Status of Utility-Related Activities*

**As of August 1, customers in the State of New Jersey are subject to higher electric rates due to the lift of temporary rate caps as the state completed a shift to a deregulated electric market.**

Customers will cover over \$1 billion in inflated electric costs that the state's four utilities incurred as a result of the purchase of power during market price spikes. In addition, customers will begin to pay

fluctuating market rates for electricity rather than set rates established during the past four years. Each customer will now pay between three and 15 percent more for their electricity. New Jersey is the only state that mandated a rate cap and allowed utilities to defer balances in a shift to a deregulated electric market. The state will launch an energy conservation campaign to encourage consumers to reduce energy consumption. The campaign will include rebates for energy efficient appliances and encourage customers to shift substantial energy use to non-peak periods. Large electric users may purchase fixed-price electricity contracts in order to reduce the risk of price swings and provide more stability in forecasting future costs. (Source: *Associated Press*, August 11, 2003 and *UtiliPoint International*, August 13, 2003)

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## SEATTLE REGION

### ► *General State Activities*

**The California Energy Commission and the U.S. Department of Energy will offer \$5 million in funding, plus consultation and in-kind services for the development of electrical energy storage projects.** The Public Interest Energy Research Program will provide matching funds for four or five projects for flywheels, mini/micro pumped hydro, and advanced battery systems. The program's goal is to develop technologies that have been field tested and commercialize the technologies after a three-year demonstration period. (Source: *Transmission & Distribution World*, August 6, 2003)

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# UTILITIES AND SUPPLIER ACTIVITIES

## GENERAL ANNOUNCEMENTS

**On July 25, the Electricity Innovation Institute (E2I) held a briefing on "Smart Grid" research headed by E2I's Consortium for Electric Infrastructure to Support a Digital Society (CEIDS).** Topics of discussion included an overview of the proposed smart power delivery system, applications of the smart grid, and how it will enhance energy security, provide new commercial opportunities, and assist in the development of a new electricity infrastructure. The CEIDS partnership brings together decision makers to discuss the technological, commercial, and strategic elements needed to help shape a new electric infrastructure. Jimmy Glotfelty, senior policy advisor to Secretary Abraham, presented the keynote address and acknowledged DOE's support and membership in CEIDS. He said, "Joining the CEIDS partnership will allow DOE to share successes and leverage resources in areas that are common to DOE's vision for a robust and reliable transmission infrastructure. Innovative partnerships like this one are essential if we are to accelerate technical research and development and deploy innovative applications that provide benefits to consumers all across the United States." Bruce Germano, of the Long Island Power Authority described the role of utilities in promoting CEIDS: "Technology has always driven, and will continue to drive, change in the way utilities do business. For that reason, CEIDS is more than just a research program. It represents the pathway for utilities not only to continue to provide the high quality, reliable service our customers will need and expect in an increasingly digital economy, but also to transform their business to become something much greater than just an enabler in the way we use electricity." (Source: *Transmission & Distribution World*, August 11, 2003).

**A study conducted by Lexecon Inc, found that utilities that stayed with their core regulated utility holdings proved more successful than those that chose to branch out into other areas during the first 5 year period of electric restructuring around the country.** Study authors James Coyne and Prescott Hartshorne assessed the financial standing of 64 energy and utility companies over the period from 1998 to 2002 and found that "U.S. utilities leapt into deregulation and created multiple strategies to compete... Winners among utility companies relied on traditional regulated utility assets... They are firms that stuck to their knitting rather than plunging into merchant power generation or purchasing foreign

power plants". The findings revealed that companies operating in states that implemented restructuring at a faster rate were more financially successful than others, with California being an exception. While companies assert that regulatory environments and policy decisions are the reason behind financial demise, the authors argue that declines are essentially due to the quality of corporate strategic decisions. Trends that U.S. utilities are likely to follow in structuring their business strategies include:

- Regulated, rate-of-return utility businesses are back in favor and likely to remain so for some time.
- Mergers were largely not successful for acquiring shareholders over the five-year period of the study. The authors expect future mergers to be among more conservative electric-electric and electric-gas distribution companies.
- Transmission is emerging as both an opportunity and potential drain given the direction of the Federal Energy Regulatory Commission policy on Standard Market Design and formation of regional transmission organizations.

To receive a copy of the report, contact Danielle Mulei via email at [Dmulei@lexecon.com](mailto:Dmulei@lexecon.com) or by phone at (617) 520-0256. (Source: *PRNewswire*, August 4, 2003)

**A study conducted by E Source Green Energy Service revealed that green power marketing companies often have difficulties "selling" the concept to businesses.** A series of interviews with utility green pricing program administrators and large commercial companies revealed that the inclination of a customer to purchase green power is mostly based on their predisposition to purchase. Study author Barry Friedman said, "The decision-maker either wants to do it or she doesn't." The report also claims that green power is becoming more important to businesses. Businesses are interested in absorbing the free press and acclaim associated with purchasing green power. According to Mr. Friedman, "When you stop and consider the enhanced credibility of a positive news story over that of an advertisement, you can see why marketing professionals are coming to understand the value ..." In addition, public relations officials are sharing the cost of the green energy premium. Other reasons why businesses are purchasing green power include:

- hedging against escalating electricity rates,
- as a means to cater to consumers concerned about sustainability, and
- as a means of reducing global warming impact.

E Source Green Energy Source members may acquire the report by contacting Adam Capage at (720) 548-5404 or Barry Friedman at (720) 548-5417.

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## **ATLANTA REGION**

*No news of interest to FEMP.*

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## **BOSTON REGION**

*No news of interest to FEMP.*

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## CHICAGO REGION

### ► *Restructuring Activities*

**Federal Plaza in Chicago has benefited from the installation of a computerized electricity-usage monitoring tool that assesses energy usage in half-hour increments.** ComEd, which promotes the tool, said that the number of subscribers increased by 50 percent over the last year. The tool was used by General Services Administration (landlord to Federal agencies in the complex) energy managers to reveal that many of the controls and breakers were not working properly. Tony Venticinque of GSA said, "It's going to be a big saver." Energy use charts and the information that they provide will be used to adjust the pattern of energy use, and in the decision to purchase other energy-savings devices. ComEd offers another program called the Bill Estimator, which allows organizations to track their energy costs over a certain period of time. (Source: *Chicago Tribune*, August 17, 2003)

**FirstEnergy issued a statement denying sole responsibility for the recent power outage in mid August.** The utility stated that data gathering and analysis is necessary before making conclusions about the source of the power outage. The Midwest Independent System Operator and the North America Electric Reliability Council agreed that identifying the exact cause of the blackouts will be difficult, and, according to NERC President and CEO Michehl Gent "... any attempt on our part to identify the cause of the outages at this point would be speculative and premature." The FirstEnergy press release stated: "From the preliminary data we are gathering -- and based on what others are providing -- it is clear that the transmission grid in the Eastern Interconnection, not just within our system, was experiencing unusual electrical conditions at various times prior to the event. These included unusual voltage and frequency fluctuations and load swings on the grid". FirstEnergy will work on a U.S.-Canadian Task Force to assess the blackout and identify steps to prevent a similar widespread power failure. (Source: *PRNewswire*, August 18)

**Great River Energy and TRIMONT Area Wind Farm, LLC will discuss plans to construct a wind farm that will serve southwest Minnesota residents with 100 MW of wind energy beginning in 2005.** Great River Energy chose to partner with TRIMONT on the wind power project because of its competitively priced power, ability to deliver the power to the utility's 28 member cooperatives, and its strategic access to transmission line interconnections. TRIMONT will own and operate the wind turbines and Great River Energy will purchase the output in a long-term power contract. Neal Von Ohlen of TRIMONT WIND said, "We're confident we can build and operate a project Great River Energy's members will be proud of... The local citizens who comprise TRIMONT WIND are also electric cooperative customers of South Central Electric Association [a Great River Energy member cooperative] so you could say this project is 'all in the family.'" The wind farm will be constructed in Martin and Jackson counties. (Source: [www.greatriverenergy.com](http://www.greatriverenergy.com))

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## DENVER REGION

### ► *Restructuring Activities*

**PNM will offer renewable power in 100 kWh blocks to residential customers as part of its PNM Sky Blue program that will be launched on October 1.** The New Mexico State Public Regulation Commission approved the program, which will allow the customer to achieve flexible purchasing. Customers may purchase the blocks for a premium of \$1.80 per month, and they can purchase as many blocks as they wish up to 90 percent of their total monthly consumption. Large commercial customers can purchase renewable energy as a proportion of total electric usage rather than in blocks. Joanne Reuter of PNM said, "PNM Sky Blue is designed to give customers committed to the environment and quality of life an easy and affordable way to demonstrate that commitment." The renewable power will be derived from wind from the New Mexico Wind Energy Center. (Source: *Business Wire*, August 12, 2003)

## ► *Public Benefits Programs*

**Green Mountain Energy Company has established a program entitled “Fans for Life” which offers fans to needy families.** The fans will be purchased using part of the money generated from new residential memberships in the utility’s renewable energy program. Customers can choose from three plans: the Month-to-Month Plan; the Reliable Rate Plan, which secures their per kWh rate for a full year; and the 100% Wind Plan. Family Services of Greater Houston, which has a goal of purchasing 200 fans, will receive \$12 from every new renewable energy membership purchased. The program will be offered from August 23 to September 20; customers can sign up for the renewable energy program at one of four events occurring throughout the Houston area. Ross Haskell of Green Mountain Energy Company said, "Our customers have helped make a difference in the way power is made by purchasing pollution-free electricity generated in part from giant wind turbines. Now they can help make a difference in someone's life by providing a simple electric fan through their enrollment." (Source: *PRNewswire*, August 20, 2003)

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### **PHILADELPHIA REGION**

*No news of interest to FEMP.*

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### **SEATTLE REGION**

## ► *Restructuring Activities*

**GenSelf Corporation installed a 44.5kW rooftop residential solar electric power system in Irvine, California.** The system, which utilizes SunWize Technologies and Sharp Electronics Corporation modules and inverters, will provide 90 percent of the electrical needs for the air conditioning units, water pumps, and outdoor lighting at the home. In addition to energy savings, the system will reduce carbon dioxide emissions by 95,000 pounds per year and save the homeowner over \$17,500 in annual electric costs; projected lifetime savings is \$698,052. The system is eligible to receive state tax incentives and inclusion in the Southern California Edison Self-Generation Incentive Program. (Source: *PRNewswire*, August 15, 2003)

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## **PRIVATE SECTOR**

### **GENERAL REGION**

**The North American Board of Certified Energy Practitioners (NABCEP) has received strong support for their new solar energy certification exam.** NABCEP has designed a national exam to certify photovoltaics installers on residential and commercial buildings. The first exam will be administered on October 25, with the next one to be held in April 2004. (Source: *SolarAccess.Com News*, August 13, 2003)

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### **ATLANTA REGION**

*No news of interest to FEMP.*

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## BOSTON REGION

*No news of interest to FEMP.*

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## CHICAGO REGION

*No news of interest to FEMP.*

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## DENVER REGION

*No news of interest to FEMP.*

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## PHILADELPHIA REGION

**The Maryland Energy Administration will provide over \$2 million in state grants and loans for energy saving programs at the state's public colleges and universities.** Five Maryland Institutions – University of Maryland, College Park, University of Maryland, Baltimore County, Harford County Community College, Prince George's Community College, and Sojourner-Douglass College, will use the grants to restore campus buildings, launch an energy efficiency web page, renovate a schoolhouse, and replace a boiler. (Source: *Baltimore Business Journal*, August 7, 2003)

**The American Psychological Association (APA) and its Property Manager, Trammell Crow Company, has purchased more than 20 million kWh of green power for their building.** APA will buy the equivalent of 75 percent of their annual electricity consumption from wind and other renewable resources for the association's two Capitol Hill office buildings. Austin-based Green Mountain Energy Company will use "renewable energy certificates" to supply the green power. APA and Trammell Crow received assistance from the Green Power Market Development Group, a partnership between the World Resources Institute and 12 major U.S. commercial and industrial companies dedicated to implementing green power in corporate buildings. (Source: *Environmental News Network*, August 6, 2003)

**The Austin Grill, a six-restaurant chain operating in the Washington, DC Metropolitan Area, is converting to 100 percent wind power for all locations.** The windpower will come from Community Energy Services, Inc., which operates the Mountaineer Wind Energy Center, located in Thomas, West Virginia. The Mountaineer Wind Energy Center has 44 wind turbines, of which the Austin Grill will use 75 percent of one turbine once a seventh restaurant is added to the chain. (Source: Austin Grill press release, June 4, 2003; *EERE Network News*, August 13, 2003)

**Starwood Hotels & Resorts Worldwide, Inc., a two-year recipient of the ENERGYSTAR® Partner of the Year award, has installed the first hotel fuel cell energy system** in the Sheraton Edison Hotel Raritan Center in Edison, New Jersey. Starwood chose PPL Corporation to install, own, and operate 250 kW fuel cell systems in Starwood's Sheraton Edison and Sheraton Parsippany; the Sheraton's fuel cell project is scheduled for completion in the next month. As part of an incentive program, the New Jersey Clean Energy Program provided \$860,000 to PPL for implementation of distributed generation and energy efficient services. The Sheraton's Edison fuel cell power plant, which will provide 25 percent of the hotel's electricity and hot water, was developed by FuelCell Energy and will be fueled by NUI-Elizabethtown Gas. (Source: Starwood Hotels and Resorts press release, August 5, 2003)

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## SEATTLE REGION

**The Audubon Society of Portland, Oregon, is purchasing 100 percent of its electricity from renewable sources from Portland Gas & Electric (PGE) for the organization's main and Marmot campuses.** The society created an outreach partnership with the Renewable Northwest Project, a regional non-profit organization to promote renewable energy and to encourage chapter members and other Portland residents to sign up for green power with Pacific Power or PGE. (Source: Green Mountain Energy press release, July 2, 2003; *EERE Network News*, August 13, 2003)

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## INTERNATIONAL

**The Government of Ireland has given state-owned, peat supplier Bord na Mona and its partners, Hibernian Wind Power (HWF), a unit of Ireland's Electricity Supply Board, permission to begin construction of a 300 MW wind farm in Mayo County.** The planned \$342 million plant would consist of 192 wind turbines with a capacity up to 300 MW or 200,000 homes. The goal of the Irish government is to have 1,250 MW of green energy operational by 2010. (Source: *Reuters*, July 3, 2003)

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# ALTERNATIVE FUELS AND VEHICLES

## ATLANTA REGION

### ► *Infrastructure Activities*

**Drivers in Nashville, Tennessee, now have the option of fueling their vehicles with E85,** an ethanol-based fuel, from the new Citgo 10,000 gallon tank. The station will service about 1,200 fleet vehicles as well as the public. (Source: Clean Cities, August 2003)

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## BOSTON REGION

### ► *AFV Fleet Acquisitions*

**Metropolitan Transit Authority New York City Transit has purchased 325 Orion VII/BAE hybrid transit buses to supplement its large hybrid bus fleet.** Compared to traditional buses, these models realize 99 percent less particulate matter, 44 percent less nitrogen oxide, and 33 percent less carbon dioxide. (Source: The National Clean Bus Network *Clean Bus Update*, August 2003)

### ► *Infrastructure Activities*

**New Haven, Connecticut, looking towards establishing a local government fleet powered by compressed natural gas, has opened the first CNG fueling facility in the city.** (Source: Clean Cities, August 2003)

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## CHICAGO REGION

### ► *Infrastructure Activities*

**E85, an ethanol-based fuel, can now be found at a sixth location in Missouri – the AppleTrail Travel Center in Grain Valley.** The 5,000 gallon E85 tank will complement the other fuel options at the site, including off-road diesel and methanol. (Source: National Ethanol Vehicle Coalition *FYI Newsletter*, August 14, 2003)

**Beaudry Oil in Elk River, Minnesota, has retrofitted a 4,000-gallon diesel tank to dispense E85,** an alternative transportation fuel composed of 85 percent ethanol and 15 percent gasoline. To increase demand for and awareness of the new fuel infrastructure, the company has advertised heavily in the local newspaper and to government agencies. (Source: National Ethanol Vehicle Coalition *FYI Newsletter*, July 29, 2003)

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## DENVER REGION

### ► *AFV Fleet Acquisitions*

**Brownsville, Texas will be receiving three, 30-foot, \$265,000 propane transit buses** in February 2004. A Federal Transit Administration grant enabled the city to purchase the buses from National Bus Sales of Chino, California. (Source: Clean Cities, August 2003)

### ► *Infrastructure Activities*

**A facility which provides E85, an ethanol-based fuel, is opening at the Pantex Plant near Amarillo, Texas.** The pump, the second in the State, will serve the plant's growing number of flexible fuel vehicles. (Source: National Ethanol Vehicle Coalition *FYI Newsletter*, August 14, 2003)

**Maize, Kansas now has an 8,000 gallon E85 tank for use by the general public as well as government fleets.** The E85 location, Kansas' second, will provide this 85 percent ethanol alternative fuel, thanks to funding from Kansas Corn Commission/Kansas Corn Growers, the National Ethanol Vehicle Coalition and ICM, Inc. (Source: National Ethanol Vehicle Coalition *FYI Newsletter*, July 29, 2003)

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## PHILADELPHIA REGION

*No new information of interest to report.*

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## SEATTLE REGION

### ► *AFV Fleet Acquisitions*

The Seattle, Washington area will see more hybrid buses on the road beginning late in 2004, when **Sound Transit and King County Metro plan to put 235 diesel-powered hybrid electric buses on the road.** (Source: The National Clean Bus Network *Clean Bus Update*, August 2003)

**The City of Long Beach, California**, setting a model for other State transit agencies, has **authorized the purchase of 27 hybrid electric buses**. The City is considering acquiring more than 100 additional buses over the next four years. (Source: The National Clean Bus Network *Clean Bus Update*, August 2003)

#### ► *Infrastructure Activities*

**The San Jose International Airport in California is host to a new compressed natural gas fueling facility**. The pump will serve mostly airport vehicles, but the public is welcome to utilize the facilities as well. Funding came from the Valley Transportation Authority, California Energy Commission, and airport revenues. (Source: *CalStart News Notes*, August 20, 2003)

**Berkeley, California has switched to 100% biodiesel fuel for use in city vehicles**. Biodiesel emissions are lower than traditional diesel, and biodiesel is safer to transport, store, and use. (Source: Clean Cities, August 2003)

**The Regional Transportation Center Fuel Depot in San Diego, California has added E85, an 85 percent ethanol fuel, to its nine fuel offerings**. The depot is the first station in California to carry E85. The Regional Transportation Center itself is a \$15 million, 92,000-square-foot state-of-the-art facility designed to educate people about the benefits of a range of alternative fuels and alternative fuel vehicles. (Source: National Ethanol Vehicle Coalition *FYI Newsletter*, July 29, 2003)

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### INTERNATIONAL

**Car-buyers in Japan can now purchase Toyota's improved Estima Hybrid**, a minivan which boasts improved fuel efficiency and better acceleration. The Estima has several new features, including the first car air conditioner compressor with a built-in electric motor, yielding 15 to 20 percent fuel efficiency gains. (Source: *CalStart News Notes*, August 4, 2003)

**Russia's first natural gas liquefying plant is being built** in the country's Sakhalin region. Sakhalin-Energy Company, the operator of the plant, has contracted for the construction of two 800 km pipelines, which will carry oil and gas to the plant for production of liquefied natural gas. (Source: *CalStart News Notes*, August 7, 2003)

## **MEETINGS, CONFERENCES, AND TRAINING** **WORKSHOPS**

- Refer to [Attachment C](#) – New Technologies
- Refer to [Attachment D](#) – Meetings, Conferences, and Other Events

### MULTIPLE REGIONS

**American Power Conversion offers its “Introduction to InfraStruXure” web-based seminar on September 10, 2003**. The “webinar” will introduce participants to a systematic “building block” approach to the rack, power and cooling components of Network Critical Physical Infrastructure (NCPI). For more information, and to register, please visit <http://apc.chtah.com/a/hA-L8Z3ALnuVbANvEucALqQ-4s0/govt11>.

**The Association of Energy Engineers offers online and distance-learning seminars**. Upcoming September seminars include “Utility Cost Control” on September 15, “Liquid Flow Measurement for Utility Systems” on September 22, “Introduction to Power Quality” on September 25, and “The Fundamentals of Lighting Efficiency” on September 26. The lighting efficiency seminar provides



comprehensive professional training on the design and application of energy-effective lighting systems, including compliance with building energy codes. For more information on the seminars, see [www.aeecenter.org/training](http://www.aeecenter.org/training) or [www.aeecenter.org/realtime](http://www.aeecenter.org/realtime).

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## **ATLANTA REGION**

*No events of interest to FEMP.*

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## **BOSTON REGION**

*No events of interest to FEMP.*

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## **CHICAGO REGION**

**Department of Energy's Federal Energy Management Program (FEMP), Commonwealth Edison, and the General Services Administration present the Utility Energy Services Contracting (UESC) Projects Workshop on September 16-17 in Chicago, Illinois.** Topics include how energy and water efficiency improvement services, innovative contracting, and a partnership process can improve facility management and meet agency-wide goals and objectives. For registration information, please call (757) 275-1006.

**Department of Energy, Environmental Protection Agency, and the U.S. Combined Heat and Power Association are co-sponsoring the 4th Annual Combined Heat and Power (CHP) Roadmap Workshop in Chicago, Illinois, from September 22-24.** Topics will include reviewing the CHP roadmap and developing market; legislative, regulatory and education activities for the upcoming year; as well as opportunities for networking and site visits to CHP installations in Chicago. For more information and to register, visit [www.energetics.com/4thchpworkshop](http://www.energetics.com/4thchpworkshop).

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## **DENVER REGION**

*No events of interest to FEMP.*

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## **PHILADELPHIA REGION**

*No events of interest to FEMP.*

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## **SEATTLE REGION**

*No events of interest to FEMP.*

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# **STUDIES, REPORTS, AND ANALYSES**

## **FEDERAL CONSTRUCTION AND RENOVATION**

*Enhancing VA Health Care by Realigning Assets*, General Accounting Office, August 18, 2003

GAO prepared this report in response to a request by Evertt Alvarez, the Chairman of the CARES Commission for the Department of Veterans' Affairs. The commission asked GAO to review the Department's proposed Capital Asset Realignment for Enhanced Services (CARES) national program plan; GAO's review is summarized in this report. CARES manages the Department's real property assets, including 4,700 buildings located throughout the U.S. In the late 1990's GAO recommended that VA develop market-based asset-restructuring plans "consistent with guidelines from the Office of Management and Budget (OMB), which provide key principles and concepts for disciplined, cost-effective management of real property." The GAO recommendation resulted in the creation of the CARES program in 2000. To read the report, go to [www.gao.gov/daybook/daybook.htm](http://www.gao.gov/daybook/daybook.htm) and select August 19 for the report (Report Number GAP-03-1103R).

## **UTILITY-RELATED ISSUES**

*Electricity Restructuring: Action Needed to Address Emerging Gaps in Federal Information Collection*, GAO, June 2003

The report reveals that Federal agencies are having difficulty acquiring and accessing utility information due to the restructuring of the energy market. The resulting gaps in information collection exist because FERC lacks specific authority to collect information; these gaps result in compromised electric market monitoring by FERC. GAO recommends that FERC demonstrate to Congressional leaders the type of information needed, describe the limitations resulting from not having this information, and ask Congress to grant FERC authority to acquire this information. To read the full report, visit [www.gao.gov/cgi-bin/getrpt?GAO-03-586](http://www.gao.gov/cgi-bin/getrpt?GAO-03-586).

*It's Time for DG to Become an Integral Part of the Nation's Power Planning Solution*, Market Analysis and Information System, August 2003

In addition to providing an overview of current distributed generation market barriers and overturning popular fallacies related to distributed generation, the white paper calls for the revision of current transmission planning to include customer onsite generation. Policy initiatives that should be implemented to make distributed generation more mainstream include: (1) instituting distributed generation-related performance-based rates, (2) designing standby rates to reflect actual "emergency" use of system capacity, (3) standardizing and simplifying interconnection requirements, (4) streamlining the permitting process, and (5) providing distributed generation incentives to reflect externalities. The report reveals that "Electric generation technology advances over the last twenty years have reduced generator size to a level appropriate for a variety of medium and large commercial and industrial customers and apartment buildings. Integrating customer generation, or DG, in generation and transmission planning, will provide a more decentralized system, reducing costs and increasing reliability." To access the white paper, visit [www.maisy.com/wpdgbo.htm](http://www.maisy.com/wpdgbo.htm).

## **ALTERNATIVE FUELS AND VEHICLES**

*U.S. DOE Fleet Alternative Fuel Vehicle Acquisition Report for Fiscal Year 2002*, Office of Energy Efficiency and Renewable Energy, DOE, May 2003

The report summarizes DOE's compliance with the annual alternative fueled vehicle (AFV) acquisition requirements outlined in *EPACT* and *E.O. 13149*. *EPACT* requires that in FY 1999 and beyond, 75

percent of all Federal agency vehicle acquisitions must be AFVs. *E.O. 13149* required that covered Federal agencies reduce petroleum consumption by FY 2005, by requiring agencies to increase alternative fuel use in AFVs and increase the fuel economy of light-duty vehicle acquisitions. The report reveals that in FY 2002, alternative fuel use in AFVs increased to 42 percent, fuel economy of light-duty acquisitions increased to 18 mpg (an increase of 1 mpg over the baseline), and 678 AFVs were acquired for the Federal fleet. To access the report, visit [www.ott.doe.gov/epact/fed\\_fleet\\_prog.shtml](http://www.ott.doe.gov/epact/fed_fleet_prog.shtml).

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## **MISCELLANEOUS**

*August Status Report on R&D in FY 2004 Appropriations*, American Association for the Advancement of Science (AAAS), August 2003

AAAS's Office of Science and Policy Programs analyzed Congressional funding allocations for FY 2004 and determined that the majority of funding increases have been applied to R&D programs within the Departments of Defense, Health and Human Services, and Homeland Security. For example the House has set aside \$126 billion for Federal R&D, which represents an \$8.4 billion increase over FY 2003 actual appropriations. The authors state that the remaining Federal agencies sponsoring R&D should expect their funding to be level with or below FY 2003 appropriations. The Senate is still drafting much of its FY 2004 appropriations language and therefore the authors focused primarily on the House bills. To view the report, go to [www.aaas.org/spp/rd](http://www.aaas.org/spp/rd).

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# ATTACHMENT A

## STATUS OF FY 2004 APPROPRIATIONS BILLS

(In Millions)

**HOUSE**

**SENATE**

Jurisdiction/ FY 2004 Budget Request	302(b) Allocation s/ Approved Funding Level	Bill No.	Full Cmte. Mark Up	Floor Vote	Conf.	302(b) Allocatio ns/Appro ved Funding Level (New)	Bill No.	Full Cmte. Mark Up	Floor Vote	Conf.
<b>Agriculture</b> 17,141	\$17,005	<u>H.R.</u> 2673	6/25	7/14		\$17,005	<u>S.</u> 1427	7/17		
<b>Commerce</b> 37,685	\$37,914	<u>H.R.</u> 2799_	7/16	7/23		\$37,014				
<b>Defense</b> 371,698	\$368,662	<u>H.R.</u> 2658	6/26	7/8		\$368,662	<u>S.</u> 1382	7/9	7/17	
<b>Energy and Water Developmen t</b> 26,946	\$27,080	<u>H.R.</u> 2754	7/15	7/18		\$427,313	<u>S.</u> 1424	7/17		
<b>Homeland Security</b> 27,481	\$28,521	<u>H.R.</u> 2555	6/17	6/24		\$28,521	<u>H.R.</u> 2555	7/10	7/24	
<b>Interior</b> 19,552	\$19,627	<u>H.R.</u> 2691	6/25	7/17		\$19,627	<u>S.</u> 1391	7/10		
<b>Labor / HHS</b> 137,990	\$138,046	<u>H.R.</u> 2660	6/25	7/10		\$137,601	<u>S.</u> 1356	6/26		
<b>Military Constructio n</b> 9,237	\$9,196	<u>H.R.</u> 2559	6/17	6/26		\$9,196	<u>S.</u> 1357	6/26	7/11	
<b>Transportati on and Treasury</b> 27,802	\$27,502	<u>H.R.</u> 2989	7/24			\$27,502				
<b>VA/HUD</b> 89,434	\$90,034	<u>H.R.</u> 2861	7/21	7/25		\$90,034				

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# **ATTACHMENT B**

## **HEARINGS SCHEDULE**

### **HOUSE – APPROPRIATIONS**

*No activities of interest have been announced.*

### **HOUSE – AUTHORIZATIONS/OVERSIGHT**

<b>Date/Committee</b>	<b>Chair</b>	<b>Hearing Title/Issues</b>	<b>Witnesses</b>	<b>Time/ Location</b>
<b>September 3</b> Committee on Energy and Commerce  <i>(NEW)</i>	Billy Tauzin (R/AL)	<b>Hearing –</b>  Blackout 2003: How Did it Happen and Why? Hearing will also address measures for preventing future blackouts	Spencer Abraham, Secretary of Energy  Pat Wood, FERC Chairman  Michehl Gent, NERC President  George Pataki, New York Governor  Michael Bloomberg, New York City Mayor  Other public officials from affected states	10:00 a.m. Room 2123 Rayburn Office Building
<b>September 4</b> Committee on Energy and Commerce  <i>(NEW)</i>	Billy Tauzin (R/AL)	<b>Hearing –</b>  Blackout 2003: How Did it Happen and Why? Hearing will also address measures for preventing future blackouts	Spencer Abraham, Secretary of Energy  Pat Wood, FERC Chairman  Michehl Gent, NERC President  George Pataki, New York Governor  Michael Bloomberg, New York City Mayor  Other public officials from affected states	9:30 a.m. Room 2123 Rayburn Office Building

### **SENATE – APPROPRIATIONS**

*No activities of interest have been announced.*

### **SENATE – AUTHORIZATIONS/OVERSIGHT**

*No activities of interest have been announced.*

### **CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES**

The House-Senate Conference Committee on Energy Legislation is expected to begin negotiations in early September; however, no official committee schedule has been announced.

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## **ATTACHMENT – NEW TECHNOLOGIES**

**For informational purposes only. Listing does not imply endorsement.**

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
<i><b>HVAC</b></i>			
<b>Ecopower Propane-fueled Engine-driven Cogeneration Micro-CHP Appliance</b>	Marathon Engine Systems	92 percent overall efficiency	<a href="http://www.propanecouncil.org">www.propanecouncil.org</a>
<b>Industrial Spot Cooler</b>	Unico Inc.	Greatly reduces utility costs	<a href="http://www.unicosystem.com">www.unicosystem.com</a>
<b>Watertube Boiler</b>	Miura Boiler West Inc.	85 percent fuel-to-steam efficiency	<a href="http://www.miuraboiler.com">www.miuraboiler.com</a>
<b>RT Series Chiller</b>	Aqua Products Co. Inc.	Includes a high-efficiency evaporator	<a href="http://www.aquaproducts.us">www.aquaproducts.us</a>
<b>Skyline™ Outdoor Air Handler</b>	McQuay	UltraSeal™ low-leakage dampers maximize operating efficiency, reduce costs	<a href="http://www.mcquay.com">www.mcquay.com</a>
<b>JH-3500U Sunvista™ Inverter</b>	Sharp Electronics Corporation	Ultra-high efficiency	<a href="http://www.sharp-usa.com">www.sharp-usa.com</a>
<i><b>LIGHTING</b></i>			
<b>Diamond Precise™</b>	GE Lighting	Consumes 21W, compared with 50W standard 50W Halogen PAR20 and incandescent R20, reducing energy consumption by 58 percent	<a href="http://www.gelighting.com">www.gelighting.com</a>
<b>DynaVision™ Electronic Ballast</b>	Advance Transformer	Unprecedented lumen maintenance capabilities reduce operating costs, save energy	<a href="http://www.advancetransformer.com">www.advancetransformer.com</a>
<b>RAVE Lighting Fixture</b>	Corelite	Energy efficient	<a href="http://www.cooperlighting.com/brands/corelite">www.cooperlighting.com/brands/corelite</a>
<b>Industra 5™ FTV Fluorescent High Bay Luminaire</b>	Day-Brite Lighting®	Efficient; lamp life is 20,000+ hours	<a href="http://www.daybritelighting.com">www.daybritelighting.com</a>
<b>125 W Uni-form Pulse Start Lamp</b>	Venture Lighting International	Offers energy savings and superior system efficiency	<a href="http://www.venturelighting.com">www.venturelighting.com</a>
<b>Series RPLD02 Rectangular Rope LED</b>	LEDtronics®	Saves 80 – 90 percent of energy costs compared with incandescent lighting; average lifespan of 100,000+ hours	<a href="http://www.ledtronics.com">www.ledtronics.com</a>



TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
<b>Portfolio™ EMH Series Downlight</b>	Cooper Lighting	Up to 17 percent more efficient than fixtures with a magnetic ballast	<a href="http://www.cooperlighting.com">www.cooperlighting.com</a>
<b>Mark 10™ Powerline Dimming Ballast (18W Model)</b>	Advance Transformer Company	Delivers full-range (100%-5%) continuous dimming capability, allowing energy savings	<a href="http://www.advancetransformer.com">www.advancetransformer.com</a>
<b>T8 Mark 10™ Powerline Dimming Ballast</b>	Advance Transformer Company	Delivers full-range (100%-5%) continuous dimming capability, allowing energy savings	<a href="http://www.advancetransformer.com">www.advancetransformer.com</a>
<b>Mark 7™ 0-10V Dimming Ballast (for 80 Watt T5/HO Lamps)</b>	Advance Transformer Company	Compatible with the most sophisticated total building management control systems, allowing energy savings via daylight harvesting and load shedding	<a href="http://www.advancetransformer.com">www.advancetransformer.com</a>
<b>Magellan Low Voltage Rail Lighting System</b>	Con-Tech Lighting	Low voltage	<a href="http://www.con-techlighting.com">www.con-techlighting.com</a>
<b>Marcato Direct/Indirect Luminaire</b>	Day-Brite Lighting®	Energy-saving electronic ballasts are standard; dimming ballasts available	<a href="http://www.daybritelighting.com">www.daybritelighting.com</a>
<b>Pivot Fixture</b>	Architectural Area Lighting	Energy efficient, with wide variety of lamp and ballast systems for energy efficient design options	<a href="http://www.aal.net">www.aal.net</a>
<b>ENERGY MANAGEMENT TOOLS</b>			
<b>SuperSwitch® 2 Automatic Light Switch</b>	Novitas®	Cuts energy use by up to 30 percent during peak hours and 90 after regular business hours; dual-level model allows a reduced level of lighting to boost savings during daylight hours to 60 percent	<a href="http://www.novitas.com">www.novitas.com</a>
<b>i-Bean 5000 Wireless Sensor</b>	Millennial Net Inc.	Enables low-power, low-data-rate wireless sensing for heating, refrigeration, and other applications	<a href="http://www.millennial.net">www.millennial.net</a>
<b>Continuum® CX 9702 Site Controller</b>	Andover Controls	Monitors and controls small buildings and remote, unmanned facilities by integrating power and environmental monitoring, HVAC control, security, and more	<a href="http://www.andovercontrols.com">www.andovercontrols.com</a>
<b>DirectSense IAQ PPC</b>	GrayWolf Sensing Solutions	Measures IAQ parameters and stores information from remote locations	<a href="http://www.wolfsense.com">www.wolfsense.com</a>
<b>Energy CAP Energy Efficiency Software</b>	Good Steward Software	Records and audits utility bills to identify billing, metering, or consumption problems; improves organizational energy efficiency	<a href="http://www.goodstewardsoftware.com">www.goodstewardsoftware.com</a>
<b>Faraday tMedic Transformer Management System</b>	GE Power Systems	Online monitoring system enables operators of oil-filled power transformers to more efficiently use and manage their equipment	<a href="http://www.gepower.com">www.gepower.com</a>

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
<b>HR1018 Harmonic Reduction Technology Package</b>	Saftronics	Improves power factor to help companies avoid utility penalties	<a href="http://www.saftronics.com">www.saftronics.com</a>
<b>SoftSwitch48™ Switching System</b>	Lutron Electronics Co.	Automates up to 500 user-defined events that can be triggered by time of day or by a time offset from either sunrise or sunset	<a href="http://www.lutron.com">www.lutron.com</a>
<b>Building Master 4000 Direct Digital Control System</b>	Greer Systems LLC	Manages boiler, air quality, leak detection, refrigeration, or building management requirements in one package	<a href="http://www.greersystems.com">www.greersystems.com</a>
<i>MISCELLANEOUS</i>			
<b>ToughGard™ R Duct Liner</b>	CertainTeed Corp.	Improves system efficiency	<a href="http://www.certainteed.com">www.certainteed.com</a>

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## **ATTACHMENT F**

### **MEETINGS, CONFERENCES, AND OTHER EVENTS**

NOTE: New events are highlighted in blue.

DOE-sponsored events are highlighted in green.

#### GENERAL ANNOUNCEMENTS

DATE	EVENT	SPONSOR
September 10, 2003	Introduction to InfraStrucXure	American Power Conversion
September 15, 2003	Utility Cost Control	Association of Energy Engineers
September 22, 2003	Liquid Flow Measurement for Utility Systems	Association of Energy Engineers
September 25, 2003	Introduction to Power Quality	Association of Energy Engineers
September 26, 2003	Fundamentals of Lighting Efficiency	Association of Energy Engineers

#### ATLANTA REGION

DATE	EVENT	SPONSOR
October 7-8, 2003	Hybrid Solar Lighting Summit: Bringing Sunlight Inside Knoxville, TN	Oak Ridge National Laboratory
November 12-13, 2003	Green Power 2003 Ft. Lauderdale, FL	<i>Green Power</i> magazine
November 12-13, 2003	World Energy Engineering Congress (WEEC) Atlanta, GA	Association of Energy Engineers
November 12-14, 2003	High Performance Facilities Expo 2003 Atlanta, GA	Association of Energy Engineers
<b>December 3-4, 2003</b>	<b>Fundamentals of Energy Management Miami, FL</b>	<b>Department of Energy</b>
February 3, 2004	Green Power Options Ft. Lauderdale, FL	<i>Green Power</i> magazine

#### BOSTON REGION

DATE	EVENT	SPONSOR
September 12-13, 2003	ReCharge Energy Expo Bear Mountain State Park, NY	Pace University Energy Project

DATE	EVENT	SPONSOR
October 14-15, 2003	3 <sup>rd</sup> Annual Empire Energy and Environmental Exposition (E4) Albany, NY	Environmental Business Association of New York State, Inc.
October 21, 2003	Green Power Options Boston, MA	<i>Green Power</i> magazine
October 21-23, 2003	2003 Business and Energy Conference: Realizing Value and Reducing Vulnerability New York, NY	ENERGY STAR®

### CHICAGO REGION

DATE	EVENT	SPONSOR
<b>September 16-17, 2003</b>	<b>Utility Energy Services Contracting (UESC) Projects Workshop Chicago, IL</b>	<b>FEMP</b>
<b>September 22-24, 2003</b>	<b>4th Annual Combined Heat and Power (CHP) Roadmap Workshop Chicago, IL</b>	<b>Department of Energy, Environmental Protection Agency, U.S. Combined Heat and Power Association</b>
October 15-18, 2003	2003 Excellence in Building Conference & Exposition Chicago, IL	Energy and Environmental Building Association
<b>October 28-30, 2003</b>	<b>How to Meet Federal Energy Goals -- Midwest Workshop St. Louis, MO</b>	<b>FEMP</b>

### DENVER REGION

DATE	EVENT	SPONSOR
September 13-14, 2003	4th Annual Rocky Mountain Sustainable Living Fair Fort Collins, CO	Rocky Mountain Sustainable Living Association
September 17-20, 2003	Architectural Engineering 2003: Building Integration Solutions Austin, TX	Architectural Engineering Institute
September 26-28, 2003	Renewable Energy Roundup and Green Living Fair Fredericksburg, TX	Texas Renewable Energy Industries Association and Texas Solar Energy Society
September 28-29, 2003	Solar Fiesta: Building the Energy Pathways Albuquerque, NM	New Mexico Solar Energy Association
September 29-October 1, 2003	Building for Greener Communities National Conference Nebraska City, NE	Firewise Communities

DATE	EVENT	SPONSOR
October 15-17, 2003	Solar Energy Systems Symposium Albuquerque, NM	Sandia National Laboratories
October 19-21, 2003	World Workplace and Facilities America Conference Dallas, TX	International Facility Management Association
<b>October 21-23, 2003</b>	<b>Laboratories for the 21st Century 2003 Annual Conference Denver, CO</b>	<b>Department of Energy</b>
December 11-12, 2003	Business Energy Solutions Expo 2003 New Orleans, LA	Association of American Engineers

### PHILADELPHIA REGION

DATE	EVENT	SPONSOR
October 12-14, 2003	2003 AIVC BETEC Conference: Ventilation, Humidity Control and Energy Washington, DC	Building Environment and Thermal Envelope Council
November 12 - November 14, 2003	2003 USGBC International Green Building Conference & Expo Pittsburgh, PA	U.S. Green Building Council
December 3-5, 2003	2003 Hydrogen Production and Storage Forum: Assessing the "Here-and-Now" Technical, Strategic and Commercial Opportunities for Generating and Storing Hydrogen Fuel Washington, DC	Intertech Corporation

### SEATTLE REGION

DATE	EVENT	SPONSOR
September 15-17, 2003	The Theory & Practice of Distributed Generation & Onsite CHP San Diego, CA	Association of Energy Engineers
September 17-18, 2003	21 <sup>st</sup> West Coast Energy Management Congress, San Diego, CA	Association of Energy Engineers
September 19-21, 2003	Northwest Renewable Energy Festival Walla Walla, WA	Whitman College
September 24-25, 2003	Lightshow West 2003 San Francisco, CA	American Institute of Architects, and others
September 25, 2003	Green Power Options San Diego, CA	<i>Green Power</i> magazine
October 1-3, 2003	Sustainable Energy Expo and Conference Los Angeles, CA	IIR Exhibitions

DATE	EVENT	SPONSOR
<b>October 2-3, 2003</b>	<b>Fundamentals of Energy Management Las Vegas, NV</b>	<b>Department of Energy</b>
October 3-4, 2003	Green Building Expo Phoenix, AZ	City of Scottsdale and the City of Phoenix
October 5-6, 2003	Olympic Energy Expo Port Angeles, WA	Alternative Technologies Seminars
October 7-10, 2003	UPEX 2003: The Solar Power Experience Conference and Exhibition Scottsdale, AZ	Solar Electric Power Association and Salt River Project
October 12-15, 2003	GIN2003: Innovating for Sustainability San Francisco, CA	Greening of Industry Network
October 13-15, 2003	International Conference for Enhanced Building Operations Berkeley, CA	Energy Systems Laboratory
November 11-14, 2003	2003 Business for Social Responsibility Annual Conference: Building and Sustaining Solutions Los Angeles, CA	Business for Social Responsibility
December 9-11, 2003	Industrial Water Conference 2003 Las Vegas, NV	Industrial Water World

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